



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

LAURA C. BOUDREAU

Serial No. 10/034,044

Filed: December 31, 2001

For: SEPARATION OF DIENES
FROM OLEFINS USING IONIC
LIQUIDS

GROUP ART UNIT 1621

EXAMINER:

P. O. Box 6006
San Ramon, CA 94583-0806

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted pursuant to 37 CFR §§ 1.56, 1.98 and 1.97, particularly 1.97(c). The documents listed on the attached Form PTO/SB/08A are brought to the Examiner's attention. Copies of these documents are enclosed.

The Patent Office is authorized to charge our deposit account No. 03-1620 for the fee specified under 37 CFR § 1.17(p). A duplicate copy of this paper is enclosed for this purpose.

Respectfully submitted,

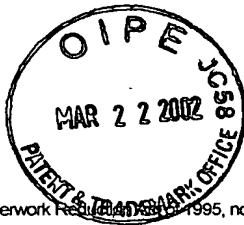
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Enclosures

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to:
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PTO/SB/08A (10-01)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/034,044
Filing Date	December 31, 2001
First Named Inventor	Laura C. Boudreau et al.
Group Art Unit	1621
Examiner Name	
Attorney Docket Number	T-5869

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-3,304,341	02-14-1967	Weiner et al.	
	2	US- 3,401,112	09-10-1968	Dunlop et al.	
	3	US- 3,407,789	10-29-1968	Hallee et al.	
	4	US- 3,647,682	03-07-1972	Rabo et al.	
	5	US- 3,679,762	07-25-1972	La Hue et al.	
	6	US- 3,758,403	09-11-1973	Rosinski et al.	
	7	US- 3,820,955	06-28-1974	Woebcke	
	8	US- 4,128,595	12-05-1978	Montgomery	
	9	US- 4,347,392	08-31-1982	Cosyns et al.	
	10	US- 4,499,055	02-12-1985	DiNicolantonio et al.	
	11	US- 4,571,442	02-18-1986	Cosyns et al.	
	12	US- 4,762,956	08-09-1988	Liu et al.	
	13	US- 4,814,067	03-21-1989	Gartside et al.	
	14	US- 4,828,679	05-09-1989	Cornier, Jr. et al.	
	15	US- 4,980,053	12-25-1990	Li et al.	
	16	US- 5,059,732	10-22-1991	Cosyns et al.	
	17	US- 5,326,465	07-05-1994	Yongquing et al.	
	18	US- 5,712,171	01-27-1998	Zambias et al.	
	19	US- 5,811,621	09-22-1998	van Dijk	
	20	US- 5,859,304	01-12-1999	Barchas et al.	
	21	US- 6,339,182 B1	01-15-2002	Munson et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	22	GB 1,001,886	08-18-1965	Farbwerke Hoechst Aktiengesell-Schaft		

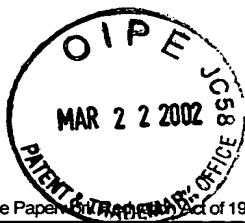
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Group Art Unit	1621
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Attorney Docket Number	T-5869

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	23	Malz Kr., Richard. <i>Chemical Ind.</i> , "Catalysis of Organic Reactions," 68:249-263. (1996) Marcel Dekker, Inc., New York.	
	24	Enderby, J., <i>J. Phys. Condens. Matter</i> , "Ionic Liquids: recent progress and remaining problems", 5: (supp 34B) B99-B106 (1993) Institute of Physics Publishing, UK.	
	25	Freemantle, M., <i>Chemical and Engineering News</i> , "Designer Solvents", 32-37 (March 30, 1998) American Chemical Society, Washington, D.C.	
	26	Gordon, C., et al., <i>J. Mater. Chem.</i> , "Ionic liquid crystals: hexafluorophosphate salts", 8: 2627-2636 (1998) The Royal Society of Chemistry, Cambridge, UK.	
	27	Seddon, K., <i>J. Chem. Tech. Biotechnol.</i> , "Ionic Liquids for Clean Technology", 68: 351-356 (1997) John Wiley & Sons Ltd., UK..	
	28	Welton, T., <i>Chem. Rev.</i> , "Room-Temperature Ionic Liquids. Solvents for Synthesis and Catalysis", 99:2071-2084 (1999) American Chemical Society, Washington, D.C.	

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SignatureDate
Considered

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